RN 475108-18-0 REGISTRY

ED Entered STN: 04 Dec 2002

CN Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN N-[2-Chloro-4-[(6,7-dimethoxy-4-quinolyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)urea

FS 3D CONCORD

MF C22 H19 C1 N4 O5

CI COM

SR CA

LC STN Files: CA, CAPLUS, PROUSDDR, TOXCENTER, USPATFULL

PAGE 1-A

PAGE 2-A

/ Me

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FILE REG

COST IN U.S. DOLLARS SINCE FILE TOTAL

ENTRY SESSION

FULL ESTIMATED COST 68.70 84.91

SINCE FILE TOTAL ENTRY SESSION 0.00 -0.75

12 ANSWERS

CA SUBSCRIBER PRICE

FILE 'REGISTRY' ENTERED AT 15:55:56 ON 02 MAR 2006 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 1 MAR 2006 HIGHEST RN 875609-25-9 DICTIONARY FILE UPDATES: 1 MAR 2006 HIGHEST RN 875609-25-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> STR 475108-18-0

:END

L5 STRUCTURE CREATED

=> S L5 FAM FUL

FULL SEARCH INITIATED 15:55:59 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 15 TO ITERATE

100.0% PROCESSED 15 ITERATIONS

SEARCH TIME: 00.00.01

L6 12 SEA FAM FUL L5

=>

=> D SCAN

L6 12 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)-, hydrate (9CI)

MF C22 H19 C1 N4 O5 . x H2 O

PAGE 1-A

PAGE 2-A

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HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d 1-12

L6 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2006 ACS on STN

RN 682745-43-3 REGISTRY

ED Entered STN: 18 May 2004

CN Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)-, monohydrochloride (9CI) (CA INDEX NAME)

MF C22 H19 C1 N4 O5 . C1 H

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

CRN (475108-18-0)

/ Me

HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2006 ACS on STN

RN 682745-42-2 REGISTRY

ED Entered STN: 18 May 2004

CN Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)-, mono(4-methylbenzenesulfonate), monohydrate (9CI) (CA INDEX NAME)

MF C22 H19 Cl N4 O5 . C7 H8 O3 S . H2 O

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

CM 1

CRN 475108-18-0

CMF C22 H19 C1 N4 O5

/ Me

CM 2

CRN 104-15-4 CMF C7 H8 O3 S

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2006 ACS on STN

- RN 682745-41-1 REGISTRY
- ED Entered STN: 18 May 2004
- CN Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)-, monohydrochloride, monohydrate (9CI) (CA INDEX NAME)
- MF C22 H19 C1 N4 O5 . C1 H . H2 O
- SR CA
- LC STN Files: CA, CAPLUS, TOXCENTER
- CRN (475108-18-0)

Мe

HCl

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- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2006 ACS on STN

- 682745-40-0 REGISTRY RN
- ED
- Entered STN: 18 May 2004

 Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)-, monohydrate (9CI) (CA INDEX NAME) CN
- C22 H19 C1 N4 O5 . H2 O MF
- SR CA
- CA, CAPLUS, TOXCENTER LCSTN Files:
- CRN (475108-18-0)

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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

- L6 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2006 ACS on STN
- RN 682745-39-7 REGISTRY
- ED Entered STN: 18 May 2004
- CN Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)-, hydrate (9CI) (CA INDEX NAME)
- MF C22 H19 Cl N4 O5 . x H2 O
- SR CA
- LC STN Files: CA, CAPLUS, TOXCENTER
- CRN (475108-18-0)

/ Me

●x H20

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2006 ACS on STN

RN 682745-38-6 REGISTRY

ED Entered STN: 18 May 2004

CN Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)-, (2Z)-2-butenedioate (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C22 H19 Cl N4 O5 . x C4 H4 O4

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

CM 1

CRN 475108-18-0

CMF C22 H19 C1 N4 O5

CM 2

CRN 110-16-7 CMF C4 H4 O4

Double bond geometry as shown.

1 REFERENCES IN FILE CA (1907 TO DATE)

Me

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2006 ACS on STN

RN 682745-37-5 REGISTRY

ED Entered STN: 18 May 2004

CN Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)-, 4-methylbenzenesulfonate (9CI) (CA INDEX NAME)

MF C22 H19 Cl N4 O5 . x C7 H8 O3 S

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

CM 1

PAGE 1-A

PAGE 2-A

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CM 2

CRN 104-15-4 CMF C7 H8 O3 S

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2006 ACS on STN

- RN 682745-36-4 REGISTRY
- ED Entered STN: 18 May 2004
- CN Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)-, methanesulfonate (9CI) (CA INDEX NAME)
- MF C22 H19 C1 N4 O5 . x C H4 O3 S
- SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

CM 1

CRN 475108-18-0

CMF C22 H19 C1 N4 O5

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PAGE 2-A

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CM 2

CRN 75-75-2 CMF C H4 O3 S

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2006 ACS on STN

RN 682745-35-3 REGISTRY

ED Entered STN: 18 May 2004

CN Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)-, sulfate (9CI) (CA INDEX NAME)

MF C22 H19 Cl N4 O5 . x H2 O4 S

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

CM 1

CRN 475108-18-0

CMF C22 H19 C1 N4 O5

PAGE 1-A

PAGE 2-A

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CM 2

CRN 7664-93-9 CMF H2 O4 S

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

ANSWER 10 OF 12 REGISTRY COPYRIGHT 2006 ACS on STN L6

RN

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682745-34-2 REGISTRY
Entered STN: 18 May 2004
Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)-, nitrate (9CI) (CA INDEX NAME) CN

MF C22 H19 C1 N4 O5 . x H N O3

SR

LC STN Files: CA, CAPLUS, TOXCENTER

> CM 1

475108-18-0 CRN

CMF C22 H19 C1 N4 O5

PAGE 1-A

PAGE 2-A

Мe

2 CM

CRN 7697-37-2

CMF H N O3

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
- L6 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2006 ACS on STN
- RN 682745-33-1 REGISTRY
- ED Entered STN: 18 May 2004
- CN Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)-, hydrochloride (9CI) (CA INDEX NAME)
- MF C22 H19 C1 N4 O5 . x C1 H
- SR CA
- LC STN Files: CA, CAPLUS, TOXCENTER
- CRN (475108-18-0)

PAGE 1-A

PAGE 2-A

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●x HCl

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
- L6 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2006 ACS on STN
- RN 475108-18-0 REGISTRY
- ED Entered STN: 04 Dec 2002
- CN Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN N-[2-Chloro-4-[(6,7-dimethoxy-4-quinolyl)oxy]phenyl]-N'-(5-methyl-3-

isoxazolyl)urea

FS 3D CONCORD

MF C22 H19 C1 N4 O5

CI COM

SR CA

LC STN Files: CA, CAPLUS, PROUSDDR, TOXCENTER, USPATZ, USPATFULL

PAGE 1-A

PAGE 2-A

/ Me

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 3 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
- 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L1
             1 S WO2004035572/PN
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L6
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ь7
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=> s 17 not 11
             2 L7 NOT L1
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     ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
L8
AN
     2004:589418 CAPLUS
DN
     141:117198
TΤ
     Therapeutic agent for wet age-related macular degeneration
     Matsuno, Kiyoshi; Koyama, Shinji
IN
     Santen Pharmaceutical Co., Ltd., Japan; Kirin Beer Kabushiki Kaisha
PA
SO
     PCT Int. Appl., 21 pp.
     CODEN: PIXXD2
DT
     Patent
     Japanese
LΑ
FAN.CNT 1
                               DATE
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                        KIND
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                               20040722 WO 2003-JP16854
     WO 2004060373
                        A1
                                                                20031226
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            TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
     JP 2004217649
                        A2 20040805 JP 2003-431849
                                                                20031226
PRAI JP 2002-379857
                         Α
                               20021227
GΙ
```

AB A therapeutic agent for wet age-related macular degeneration which contains as an active ingredient an N-quinolyloxyphenyl-N'-isoxazolylurea derivative represented by the general formula (I; wherein R1 and R2 each is C1-6 alkoxy; R3 is halogeno; R4 and R5 each is hydrogen, halogeno, etc.; and R6 and R7 each is hydrogen, halogeno, C1-4 alkyl, etc.). The compound has excellent choroidal angiogenesis inhibitory activity and is useful in treatments for wet age-related macular degeneration.

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IT 475108-18-0, N-{2-Chloro-4-[(6,7-dimethoxy-4-quinolyl)oxy]phenyl}N'-(5-methyl-3-isoxazolyl)urea 475108-18-0D,
N-{2-Chloro-4-[(6,7-dimethoxy-4-quinolyl)oxy]phenyl}-N'-(5-methyl-3-

isoxazolyl)urea, salts
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
(Biological study); USES (Uses)

(N-quinolyloxyphenyl-N'-isoxazolylurea derivs. as therapeutic agents for wet age-related macular degeneration)

RN 475108-18-0 CAPLUS

CN Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

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RN 475108-18-0 CAPLUS

CN Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 2-A

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L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:849617 CAPLUS

DN 137:370101

TI Preparation of quinoline derivatives having azolyl group and quinazoline derivatives as antitumor agents

IN Kubo, Kazuo; Sakai, Teruyuki; Nagao, Rika; Fujiwara, Yasunari; Isoe, Toshiyuki; Hasegawa, Kazumasa

PA Kirin Beer Kabushiki Kaisha, Japan

SO PCT Int. Appl., 89 pp. CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

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     US 2002-132473
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     WO 2002-JP4279
                           W
                                 20020426
os
     MARPAT 137:370101
GI
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AB N-[(4-quinolinyl or 4-quinazolinyl)thio or -oxy]phenyl-N'-azolylurea derivs. represented by the formula (I) or pharmaceutically acceptable salts or solvates thereof [wherein X, Z = CH, N; Y = O, S; R1, R2, R3 = H, N02, NH2, each (un)substituted C1-6 alkyl or alkoxy or C2-6 alkenyl or alkynyl; R4 = H; R5-R8 = H, halo, C1-4 alkyl, alkoxy, or alkylthio, CF3, N02, NH2; R9, R10 = C1-6 alkyl, each (un)substituted C1-4 alkylcarbonyl or C1-6 alkyl; R11 = (un)substituted azolyl] are prepared These compds. are useful for the treatment of tumor, diabetic retinopathy, chronic articular rheumatism, psoriasis, atherosclerosis, and Kaposi's sarcoma. They are also used for inhibiting neovascularization of a target blood vessel by contacting them with vascular endothelial cells of the target blood

Ι

vessel. Thus, 100 mg 2-chloro-4-[(6,7-dimethoxy-4-quinazolinyl)oxy]aniline was dissolved in 5 mL CHCl3 and 0.5 mL Et3N, treated with a solution of 100 mg triphosgene in CHCl3, and stirred at room temperature for 15 min, followed by adding 49 mg 2-aminothiazole, and the resulting mixture was stirred at room temperature overnight to give 31 mg N-[2-chloro-4-[(6,7-dimethoxy-4-quinazolinyl)oxy]phenyl]-N;-(1,3-thiazol-2-yl)urea (II). II at 20 mg/kg/day for 9 days inhibited the growth of human lung cancer transplanted in nude mice by 92.0%. The compds. I in vitro showed IC50 of 0.001-0.0697 μM for inhibiting the phosphorylation of the intracellular domain of human vascular endothelial cell growth factor (VEGF) receptor KDR (kinase insert domain-containing receptor) in IH3T3 cell expressing human KDR.

IT 475108-18-0P, N-[2-Chloro-4-[(6,7-dimethoxy-4-quinolyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)urea

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of N-[(4-quinolinyl or 4-quinazolinyl)oxy]phenyl-N'-azolylurea derivs. as neovascularization inhibitors for treatment of tumor, diabetic retinopathy, chronic articular rheumatism, psoriasis, atherosclerosis, and Kaposi's sarcoma)

RN 475108-18-0 CAPLUS

CN Urea, N-[2-chloro-4-[(6,7-dimethoxy-4-quinolinyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl)- (9CI) (CA INDEX NAME)

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PAGE 2-A

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